

Amendments to the Claims:

This listing of claims will replace all prior versions and listing of claims in the application.

Listing of Claims:

1. (Currently Amended) A digital signature verification apparatus inputting digital signature data including a partial data digitally signed, said partial data being a part of an entire data, comprising:

means for inputting said digital signature data;

means for detecting the range of said partial data based upon an identifier for identifying the range of said partial data included in said digital signature data; and

means for displaying content of said partial data and the detected range of said partial data on a screen on which content of the entire data of said digital signature data is displayed,

_____ wherein the detected range of said partial data is displayed as a frame surrounding the content of said partial data on the screen on which the entire data of said digital signature data is displayed.

2. (Previously Presented) The digital signature verification apparatus of Claim 1, further comprising means for analyzing said input digital signature data,

wherein said means for displaying displays information obtained as a result of the analyzing by said means for analyzing.

3. (Previously Presented) The digital signature verification apparatus of Claim 2, wherein said information obtained as a result of the analyzing is connected with a user who has applied said digital signature.
4. (Previously Presented) The digital signature verification apparatus of Claim 2, wherein said means for displaying displays the content of said partial data and the information obtained as a result of the analyzing so as to be able to associate each with the other on the same screen.
5. (Previously Presented) The digital signature verification apparatus of Claim 4, wherein said means for displaying displays the information representing the content of said partial data distinctly from the information obtained as a result of the analyzing.
6. (Previously Presented) The digital signature verification apparatus of Claim 1, wherein said digital signature is described in XML and said means for detecting retrieves an identifier prescribed in XML and detects based upon said retrieved identifier.
7. (Currently Amended) A computer program enabled to be stored in a recording medium,

wherein said computer program causes a computer to execute:

means for a step of inputting a digital signature data including a partial data
digitally signed, said partial data being a part of an entire data;

means for a step of detecting the a range of said partial data based upon an
identifier for identifying the range of said partial data being included in said digital
signature data; and

means for a step of displaying content of said partial data and the detected
range of said partial data on a screen on which content of the entire data of said
digital signature data is displayed,

_____ wherein the detected range of said partial data is displayed as a frame
surrounding the content of said partial data on the screen on which the entire data of
said digital signature data is displayed.

8. (Previously Presented) The computer program of Claim 7, further including
causing a computer to analyze said input digital signature data,

wherein said means for displaying is a means for displaying information
obtained as a result of the analyzing by said computer.

9. (Previously Presented) The computer program of Claim 8,

wherein said information obtained as a result of the analyzing is concerned
with a user applying said digital signature.

10. (Previously Presented) The computer program of Claim 9,
wherein said means for displaying displays the content of said partial data and
said information obtained as a result of the analyzing so as to be able to associate
each with the other on the same screen.

11. (Previously Presented) The computer program of claim 10,
wherein said means for displaying displays the information representing the
content of said partial data distinctly from the information obtained as a result of the
analyzing.

12. (Previously Presented) The computer program of Claim 11,
wherein said digital signature is described in XML, and
said means for detecting retrieves an identifier prescribed in XML and detects
based upon said retrieved identifier.

13. - 15. (Canceled)

16. (Currently Amended) The digital signature verification apparatus according to
claim 1,
wherein when said digital signature data includes a plurality of said partial
data, said display means displays the-a plurality of detected ranges of said plurality
of partial data on said screen on which content of the entire data is displayed.

17. (Currently Amended) The digital signature verification apparatus according to claim 1,

wherein when said digital signature data includes ~~multiplexed digital signatures-a multipart signature in which at least one additional another digital~~ signature is applied to said partial data, said display means displays ~~detected ranges of a plurality of partial data-a plurality of ranges of said partial data~~ on said screen on which content of the entire data is displayed, and the ranges of said partial data are ~~multiplexed superimposed~~ and displayed on said screen according to ~~a multiplex-an overlapping~~ of digital signatures applied to said partial data.

18. - 19. (Canceled)

20. (New) The digital signature verification apparatus according to claim 1, wherein said digital signature data includes another digital signature data; said digital signature verification apparatus further comprises: means for detecting each of digital signatures from said digital signature data; means for detecting an identifier of a digital signature object data corresponding to each of said digital signatures, based on each of said digital signatures; means for verifying each of said digital signatures and detecting information regarding a signer to each of said digital signatures;

means for detecting the range of each of said digital signature object data, based on said identifier of each of digital signature object data;

means for determining a display frame corresponding to each of said digital signature object data, based on the range of each of said digital signature object data; and

means for displaying on a screen on which the entire data of said digital signature data is displayed;

the display frame of said digital signature object data surrounding a display frame of said other digital signature object data, the signer information and the verification result.

21. (New) The digital signature verification apparatus according to claim 20, wherein

said signature detecting means generates the signer information corresponding to said digital signature object data and the verification result of said digital signature object data, and thereafter determines whether there remains unverified digital signature, and

said identifier detecting means detects an identifier of a digital signature object data corresponding to said unverified digital signature; and

said signer information detecting means verifies said unverified digital signature.

22. (New) The digital signature verification apparatus according to claim 20,

wherein

said displaying means, after the signer information corresponding to said digital signature object data and the verification result of said digital signature object data are displayed, determines whether there remains undisplayed digital display, and

said displaying means, when the determination indicates that undisplayed digital signature exists, displays a display frame corresponding to the undisplayed digital signature object data, signer information corresponding to said undisplayed digital signature object data, and a verification result of said undisplayed digital signature object data, on the screen on which the content of said entire data is displayed.

23. (New) The computer program enabled to be stored in a recording medium according to claim 7, wherein

said digital signature data includes another digital signature data,
said program causing steps to be executed by the computer comprising:
a step of detecting each of digital signatures from said digital signature data;
a step of detecting an identifier of a digital signature object data corresponding to each of said digital signatures, based on each of said digital signatures;
a step of verifying each of said digital signatures and detecting information regarding a signer to each of said digital signatures;

a step of detecting the range of each of said digital signature object data, based on said identifier of each of digital signature object data;

a step of determining a display frame corresponding to each of said digital signature object data, based on the range of each of said digital signature object data; and

a step of displaying on a screen on which the entire data of said digital signature data is displayed, the display frame corresponding to each of said digital signature object data, the information of a signer corresponding to said digital signature object data and a verification result of each of said digital signature object data;

the display frame of said digital signature object data surrounding a display frame of said other digital signature object data, the signer information and the verification result.

24. (New) The computer program enabled to be stored in a recording medium according to claim 23, wherein

said signature detecting step generates the signer information corresponding to said digital signature object data and the verification result of said digital signature object data, and thereafter determines whether there remains an unverified digital signature, and

said identifier detecting step detects an identifier of a digital signature object data corresponding to said unverified digital signature; and

said signer information detecting step verifies said unverified digital signature.

25. (New) The computer program enabled to be stored in a recording medium according to claim 23, wherein

said displaying step displays the signer information corresponding to said digital signature object data and the verification result of said digital signature object data, and thereafter determines whether there remains an undisplayed digital display, and

said displaying step, when the determination indicates that an undisplayed digital signature exists, displays a display frame corresponding to the undisplayed digital signature object data, signer information corresponding to the undisplayed digital signature object data, and a verification result of the undisplayed digital signature object data, on the screen on which the content of said entire data is displayed.